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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,578	10/13/2004	Ljubomir Misev	CO/2-22659/A/PCT	4524
324	7590	03/17/2010	EXAMINER	
Ciba Corporation Patent Department 540 White Plains Road P.O. Box 2005 Tarrytown, NY 10591				DAHIMENE, MAHMOUD
ART UNIT		PAPER NUMBER		
1792				
			NOTIFICATION DATE	DELIVERY MODE
			03/17/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

andrea.dececchis@basf.com
deborah.pinori@basf.com
sonny.nkansa@basf.com

Office Action Summary	Application No.	Applicant(s)	
	10/511,578	MISEV ET AL.	
	Examiner	Art Unit	
	MAHMOUD DAHIMENE	1792	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 20 November 2009.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 45-67 is/are pending in the application.
 4a) Of the above claim(s) 47, 58, 61-67 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 45-46, 48-57, 59-60 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>12/2/09</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Election/Restrictions

Applicant's election of the species of photolatent compound (A) described by applicant's formula (I) , filed on 11/20/2009, is acknowledged.

Claim 47 and all dependent claims 61-67, 58 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Claim 47 requires the photolatent compound to be selected from the group consisting of formula V, VI, VII, VIIa, which are not elected species.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

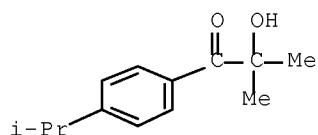
2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claim 45-46, 49-50, 52-57, 60 are rejected under 35 U.S.C. 103(a) as being unpatentable over Epaillard et al. (Makromolekulare Chemie, 189(5) (1988), pp. 1035-1042).

Epaillard discloses "the reactive species (radicals, ions, etc.) or the UV-visible radiation emitted by the excited species initiate the cold plasma-induced polymerization of a monomer in the liquid or solid state. The residual C:C double bond concentration of an acrylic monomer depends on the plasma characteristics (gas nature, pressure, discharge power, etc.), and also on the polymerization conditions. The UV-visible radiation emitted in a cold plasma has more influence on the thickness of the film than the reactive species bombardment" (abstract). Epaillard uses a catalyst for plasma polymerization described, in the chemical abstract, as

69673-85-4 HCAPLUS
CN 1-Propanone, 2-hydroxy-2-methyl-1-[4-(1-methylethyl)phenyl]- (CA
INDEX NAME)



Which reads on applicant's formula (I).

It is noted that Epaillard does not expressly disclose the polymerisable compound is a free radical it would have been obvious to one of ordinary skill in the art at the time the invention was made to understand that free radicals play an important role in polymerization, and thus, expect the monomers of Epaillard to be free radical polymerizable.

It is also noted that Epaillard is silent about a plasma discharge chamber, however, Epaillard discloses a helium plasma at 0.56 Torr of pressure. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to understand that sub-atmospheric plasmas are created in confined chambers in order to reach sub-atmospheric pressures through vacuum pumping.

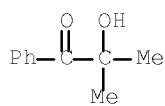
Claim Rejections - 35 USC § 103

4. Claims 48, 51, 59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Epaillard et al. (Makromolekulare Chemie, 189(5) (1988), pp. 1035-1042) as applied to claim 45 above in view of Kunz et al. (US 2003/0129322).

It is noted that Epaillard is silent about ink, sensitizer compound or pigments in the composition.

Kunz teaches the same kinds of compounds (according the chemical abstract)

RN 7473-98-5 HCPLUS
CN 1-Propanone, 2-hydroxy-2-methyl-1-phenyl- (CA INDEX NAME)



as the ones used by Epaillard's compounds are used in inks comprising sensitizers (paragraph 0124) and pigments (paragraph 0137).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the process of Epaillard to include sensitizer compound or pigments in the composition when the coating needs to a color or shade because Kunz teaches the same kinds of compounds are conventionally used for curable ink.

One of ordinary skill in the art would have been motivated to add sensitizers and pigments when the coating of Epaillard needs to have a specific color or shade.

Response to Arguments

5. Applicant's arguments, filed 7/31/2009, with respect to the fact that the new amended claims are not rejected by the previous art of record as set forth by the rejection issued on 5/1/2009 have been fully considered and are persuasive in view of the fact that applicant has elected species described by formula (I). Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Epaillard et al. (Makromolekulare Chemie, 189(5) (1988), pp. 1035-1042) and Kunz et al. (US 2003/0129322).

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAHMOUD DAHIMENE whose telephone number is (571)272-2410. The examiner can normally be reached on week days from 8:00 AM. to 5:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. D./
Examiner, Art Unit 1792

/Nadine G Norton/
Supervisory Patent Examiner, Art Unit 1792